NAME OF WORK : **"PACKAGE NO-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants"**

PMC

Fourth and Final Bill

(Book No.04)

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

To,

Date: 28-04-2023

ASSISTANT EXECUTIVE ENGINEER

PROJECT SUB DIVISION

YELAHANKA ZONE

BBMP

BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of "**PACKAGE NO-05 DEVELOPMENT OF ROADS AND DRAINS AT KASAGATTAPURA, VADERAHALLI, SHIVAKOTE, KACHOHALLI GRAMA PANCHAYATHI LIMITS AND SURROUNDING AREAS OF YELAHANKA ASSEMBLY CONSTITUENCY UNDER AMRUTHA NAGAROTHANA GRANTS"**

Ref: 1. Work Order No: EE(Project)/Ynk Zone/WO/020/2022-23

2. Job code: 003-23-000006

We are here with forwarding to Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045. Fourth & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 14,19,502/- (Rs. Fourteen Lakhs Nineteen Thousand Five Hundred Two Only). First and Part bill for Rs. 4,88,35,280/- were previously submitted ,Second and Part bill for Rs. 6,72,66,131/- were previously submitted, Third and Part bill for Rs. 4,17,37,632.00/- were previously submitted & the total bill amount submitted till date being Rs. 15,92,58,528/-(Rs. Fifteen Crore Ninety Two Lakhs Fifty Eight Thousand Five Hundred and Twenty Eight Only).

Thanking you

Yours faithfully,

RUDRAPRASAD CONSULTANTS BANGALORE

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

Attachments PMC Compliance report

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan630@yahoo.co.in

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

NAME OF WORK:- PACKAGE NO-05 DEVELOPMENT OF ROADS AND DRAINS AT KASAGATTAPURA, VADERAHALLI, SHIVAKOTE, KACHOHALLI GRAMA PANCHAYATHI LIMITS AND SURROUNDING AREAS OF YELAHANKA ASSEMBLY CONSTITUENCY UNDER AMRUTHA NAGAROTHANA GRANTS

Name of Client : EXECUTIVE ENGINEER, PROJECT DIVISION, BBMP, BANGALORE

Contractor/ Agency: Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Total Cost : Rs.14,19,502/-

Date Of Inspection : 28-04-23

Status Of Bill : Fourth & Final Bill

In the Presence of : a) Assistant Engineer Project division, BBMP, Bangalore
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory

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14	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
16	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading,grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
17	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (For Grading - V Material) and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
18	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregates and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory

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19	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
20	Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
21	Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (approx. 25% larger than the initial 3 mm.to 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8mm.wide). and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
22	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum..(Tipper 5.5 m3) and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
23	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory

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